

## SAMPLE ALTERATION FORM

**Sample Number(s):** 45 samples from sites 7, 8, 9, "K" Pond at Hanford, and site 96 (upstream) plus 2 laboratory duplicates.

**Material to be Sampled:** sturgeon, whitefish, and either catfish or sucker.

**Measurement Parameter:** The following gamma analysis will be preformed on all samples according to the attached 7/31/97 addendum:

Be-7, Na-22, K-40, Mn-54, Co-58, Co-60, Fe-59, Zn-65,  
Zr-95/Nb-95, Ru-103, Ru-106, Sb-125, I-131, Cs-134, Cs-137,  
Ba-140/ La-140, Ce-141, Ce-144/Pr-144, Eu-152, Eu-154, Am-241

The following additional radionuclides will be on all samples of whole body fish:

Sr-89, Sr-90, Pu-238, Pu-239/Pu-240, U-238, U-234, Ra-226

**QAPP Reference or Standard Procedure for Field Collection & Laboratory Analysis (cite reference):**

See following documents for specifications for this Sample Alteration Form:

1. Radionuclear Measurements For QAPP For Assessment of Chemical Contaminants in Fish Consumed by Four Native American Tribes In the Columbia River Basin, Addendum Revision 2.0, September 3, 1997.
2. Quality Assurance Project Plan, Assessment of Chemical Contaminants in Fish Consumed by Four Native American Tribes In the Columbia River Basin, Revision 6.0, December 16, 1996.

**Reason for Change in QAPP, Field Procedure or Analysis Variation:**

Samples for radionuclear measurements have been added to the project according to Section 1.3 of Rev. 6.0 of the QAPP, which states the following:

"Some of these archived samples may be used for analysis of radionuclides at another laboratory if resources become available."

**Variation from QAPP, Field or Analytical Procedure:**

not applicable

**Special Equipment, Materials or Personnel Required:**

none

Project Manager For Radionuclear Measurements: \_\_\_\_\_ Date: \_\_\_\_\_

Project Manager: \_\_\_\_\_ Date: \_\_\_\_\_

Project Risk Assessment Manager: \_\_\_\_\_ Date: \_\_\_\_\_

Project QA Officer: \_\_\_\_\_ Date: \_\_\_\_\_

